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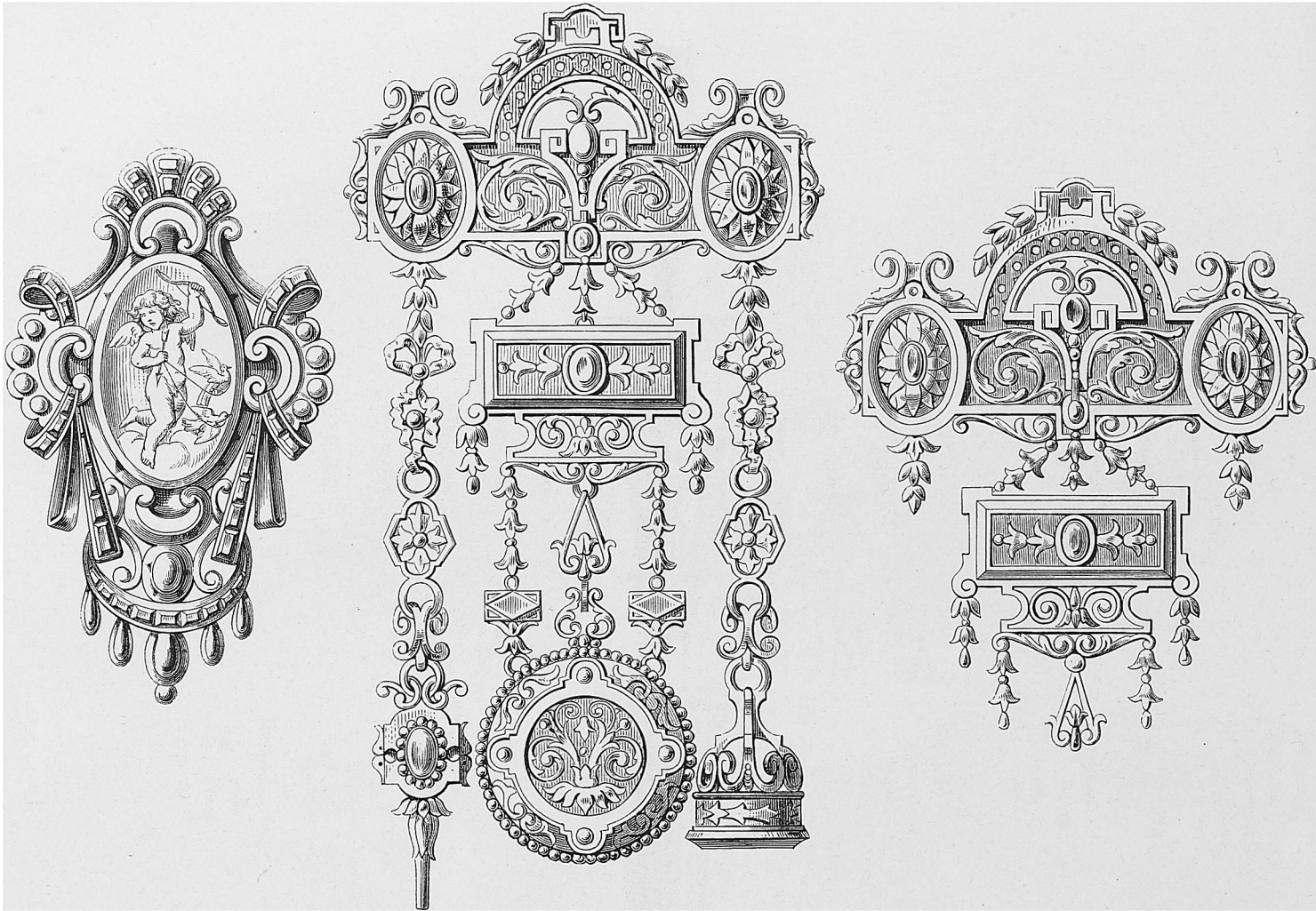
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Nos. 38—40. Modern Paris Jewellery.

## VARIOUS.

### Decorative Painting on Tin.

Tinfoil is spread out upon a smooth surface, such as glass, the latter having been first moistened to aid the laying out of the foil and to maintain it in its position. The painting is then executed upon it in oil. This painting on tin, when dried and varnished, can be rolled up like ordinary paper hangings, from which it essentially differs in possessing all the variety of tones and coloring that oil paintings admit of. The tin groundwork constitutes a waterproof protection, and, on account of its great flexibility, will follow the various mouldings and contours of the object to be ornamented. To the latter should be applied a hydrofuge mixture, when it will be ready for the decorator. This method can replace ordinary gilding, as the gold can be applied in the workshop and the gilt tin fixed afterwards. The advantage of gilt tin over gilding on other metals is that it is inimical to oxidation; whereas it is known that gilding upon other metals, and notably upon zinc, deteriorates rapidly.

M. C. Daniel.

### Sand Paper.

The *American Builder* gives the following method of making sand paper of superior quality, at almost a nominal cost. The device for making sand paper is simple, and at hand to any one who has occasion to use the paper. A quantity of ordinary window glass is taken, that having a green color is said to be best, and pounded fine, after which it is poured through one or more sieves of different degrees of fineness to secure the glass for coarse

or fine paper. Then any tough paper is covered evenly with glue, having about one third more water than is generally employed for wood work. The glass is sifted upon the paper, allowed a day or two in which to become fixed in the glue, when the refuse glass is shaken off, and the paper is fit for use. This sand paper costs little, and is better than that ordinarily bought, in which sand is frequently mingled with the glass.

### Cement for Fixing Glass Letters.

A thick solution of marine glue in wood naphtha will answer perfectly if color is no object. But the glass must be chemically clean, and this is not always so easy. The least trace of soap or grease will spoil adhesion of any cement. Try soda or ammonia, followed by whiting and water, clean cloths, and plenty of rubbing, and let the cement dry on the letters till the surface just begins to be "tacky" before you apply them.

### Products of the Osage Orange.

The wood of the hedge plant known as the osage orange (*maclura aurantica*), if boiled in water, yields a handsome yellow extract which is used in Texas as a dye. From it, a large percentage of tannin is also obtained. The seeds of the fruit also yield a valuable oil, abundant, bland, and limpid, resembling olive oil, and burning with a steady flame in ordinary lard oil lamp.